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**TRANSMITTAL  
FORM**

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		Application Number	10/629,268
		Filing Date	July 29, 2003
		First Named Inventor	Paul G. Cairns et al.
		Art Unit	N/A; Confirmation No.: 6684
		Examiner Name	N/A
Total Number of Pages in This Submission	3	Attorney Docket Number	414-29494-US

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <input type="checkbox"/> Postcard
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## Remarks

The Commissioner is hereby authorized to charge any additional fees or credit any overpayments to Deposit Account No. 02-0429 (414-29494-US)

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Kaushik P. Sriram, Reg. No. 43,150	
Signature		
Date	March 5, 2004	

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Beth Pearson-Naul		
Signature		Date	March 5, 2004

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Paul G. Cairns et al.

Group Art Unit: N/A

SERIAL NO.: 10/629,268

Examiner: N/A

FILED: July 29, 2003

Confirmation No.: 6684

TITLE: "Measurement-While-Drilling  
Assembly Using Real-Time  
Toolface Oriented Measurements"

Atty Docket No.: 414-29494-US

MS: DD  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the references listed on the attached Form PTO-1449 be considered by the Examiner and made of record.

This Information Disclosure Statement is not to be considered as a representation that a search has been made or that no other material information as defined under 37 C.F.R. § 1.56(a) exists. Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement. (PCT/US03/23707 international search report dated February 19, 2004).

The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 02-0429 (414-29494-US).

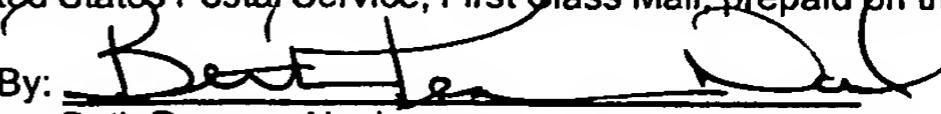
Respectfully submitted,

Dated: March 5, 2004

  
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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this paper, along with any referred to as being attached or enclosed, is being forwarded to MS DD, Commissioner for Patents, Alexandria, Virginia 22313-1450, via the United States Postal Service, First Class Mail, prepaid on the 5th day of March, 2004.

By:   
Beth Pearson-Naul



		ATTY. DOCKET NO. 414-29494-US	SERIAL NO. 10/629,268
<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b>		APPLICANT Paul G. Cairns et al.	
<i>(Use several sheets if necessary)</i>		FILING DATE July 29, 2003	GROUP / CONFIRMATION N/A / 6684

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,678,643	10/97	Robbins et al.	175	45	10/95
	AB	6,047,239	04/00	Berger et al.	702	9	06/98
	AC	6,088,294	07/00	Leggett, III et al.	367	25	01/97
	AD						
	AE						
	AF						
	AG						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AH						
	AI						
	AJ						

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	AK	
	AL	
	AM	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line though citation if not in conformance and not considered. Include copy of this form with next comment to applicant